

Class and Home Problems

Application of a Heat Pump: A Feasibility Study	34(1),68
Batch Distillation Optimization Made Easy	32(4),280
Beware of Bogus Roots with Cubic Equations of State	33(4),278
CSTR: Start-Up of a Non-Isothermal	31(4),250
CSTR Optimization with By-Product Disposal Costs	31(2),142
Design Project for Thermodynamics Students, An "Open-Ended Estimation"	34(2),154
Icing the Rink: A Problem for the Stoichiometry Course	33(2),154
Introduction to Process Flexibility: Part 1. Heat Exchange	31(3),172
Prediction and Prevention of Chemical Reaction Hazards: Learning by Simulation	35(4),268
Problems in Mass Transfer and Separation Processes	31(1),40
Residue Theorem to Invert Laplace Transforms, Use of the	35(1),22
Sequential and Non-Disciplinary Problems to Teach Process Dynamics, Use of	35(3),182
Tuning and Activation of a PI Controller During Startup of Non-Isothermal CSTR	34(2),246
Classroom to the Workplace, From the	33(1),84
Cogeneration Facility, Using A	33(4),316
Collaborative Learning, Teaching Cellular Automation Concepts Through Interdisciplinary	34(4),304
Colum Transport Experiments for Dissolved Pollutants and Colloids	35(3),222
Combustion, An Experiment in	31(4),236
Combustion Synthesis and Materials Processing	31(4),228
Combustion Synthesis and Materials Processing: Exercises	32(1),82
Combustion Synthesis of Advanced Materials	35(1),14
COMET: An Open-Ended, Hands-On Project for Sophomores	32(1),20
Communication for Professional Engineering, Effective	34(2),234
Communications Course? Just a	32(1),84
Compressible Flow Analysis, Importance of System Selection on	32(4),308
Computational Tools in Engineering Education, Use of: A Case Study on the Use of Mathcad	31(3),180
Computer-Aided Process Control Education, A Training Simulator for	34(2),252
Computer-Aided Teaching of Materials Balancing, ASTutE	34(2),258
Computer-Mediated Collaborative Learning in Che	33(3),250
Computer Modeling in the Undergraduate Unit Ops Lab	35(2),116
Computer-Simulation Experiments in a Senior-Level Capstone ChE Course, Evaluation of	33(1),34
Computer Simulation of Tracer Input Experiments	33(4),300
Concentration-Front Movement, Using In-Bed Temperature Profiles for Visualizing the	35(2),122
Concepts, Introducing Students to Basic ChE	33(3),190
Contaminants, Experiments Illustrating Phase Partitioning and Transport of Environmental	32(1),40
Continuing Education Using the Internet, Graduate Bridging and	35(4),230
Control Course, Experiences with an Experimental Project in a Graduate	33(4),270
Cooperative Education	35(1),58

Correlation for Estimating the Transfer of Oxygen From Air to Water, Developing the Best	35(2),134
Cost Estimation, A Software Package for Capital	33(3),254
Creative Problem-Solving Skills in Engineering Design, Teaching	33(2),150
Cross-Course Project Assignments	35(2),128
CSTR Optimization with By-Product Disposal Costs	31(2),142
Curriculum? Do Changes in the Chemical Industry Imply Changes in	33(1),12
Curriculum for Introductory Courses in ChE, A Project-Based Spiral: Part 1. Curriculum Design	34(2),222
Curriculum for Introductory Courses in ChE, A Project Based Spiral: Part 2. Implementation	34(4),296
Curriculum, Incorporation Chemical Process Miniaturization into the ChE	34(4),316
Curriculum Through a Multidisciplinary Research Experience, Introducing Emerging Technologies in	35(4),296
Curve, Quantifying the	32(3),238

D

Dairy Products as a ChE Laboratory Experiment, Ultrafiltration of	32(4),318
Data Acquisition, Using MATLAB/Simulink for	35(4),286
Debates, Chemical Engineering	34(4),362

Departmental Articles

Alberta, University of	34(2),102
City College of New York	35(3),162
Clemson University	33(3),178
Colorado State University	31(3),146
Connecticut, University of	31(1),2
Maine, University of	31(2),80
Melbourne, University of	35(1),8
Mississippi State University	32(2),82
Oklahoma State University	34(1),2
Puerto Rico, Mayagüez Campus	32(3),168
Rose-Hulman Institute of Technology	33(2),96
Washington State University	33(1),6
Wayne State University	32(1),8
Worcester Polytechnic Institute	34(2),186
Design, Chemical Product	35(4),280
Design, Experience with Teaching: Do We Blend the Old with the New?	33(2),158
Design Throughout the ChE Curriculum, Integrating	32(4),290
Design Presentation: The Business Meeting, An Alternative to the Classic	35(2),104
Design Project for Thermodynamic Students, An "Open-Ended Estimation"	34(2),154
Design Project in Chemical Process Design, Integrated Course and	31(2),94
Desorption of Ammonia from a Liquid Jet	33(4),328
Differential-Algebraic Equations Systems: What to do if Relative Volatilities Cannot be Assumed to be Constant	31(2),86
Differential Equations with Maple, Solving	34(4),328
Dimensional Analysis, A New Approach to Teaching	31(3),158
Dimensional Analysis, An Alternate Method for Teaching and Implementing	34(2),216
Dimensional Equation from Environmental Engineering, A	34(1),94

Discontinuities in ChE Education	33(1),18
<i>Dynamics of Fluidized Particles, The</i>	35(3),187

E

Early Engineering Education, Experiments with Integration of	33(3),204
EC 2000 Criteria, An Introductory Laboratory Incorporating	34(1),80
EC 2000 Environment, Building the	33(2),128
EC 2000 Objectives, A Pollution Prevention Course that Helps Meet	34(2),272

Educator Articles

Cussler, Ed; Minnesota's	35(3),158
Dorland, Dianne	35(1),2
Doyle III, Frank	34(2),192
Glandt, Eduardo, of the University of Pennsylvania... ..	31(1),8
Green, Don, of the University of Kansas	34(1),8
Hall, Carol, of North Carolina State University	33(3),184
Larson, Maurice A., of Iowa State University	33(1),2
Paul, Don, of The University of Texas	35(2),86
Reklaitis, G.V. (Rex), of "Old Purdue"	34(2),98
Rousseau, Ronald W., of Georgia Tech	32(2),88
Russell, T.W. Fraser	31(2),74
Tirrell, Matt; Minnesota's	32(3),162
Varma, Arvind, of Notre Dame	32(1),2
Westerberg, Art, of Carnegie Mellon University	33(2),90

Electrochemical Engineering in the Process Laboratory Course	35(1),74
Electrochemical Treatment, Removal of Heavy Metals in Wastewater by	33(2),172
<i>Elementary Principles of Chemical Processes</i>	35(2),91
Energy in Reactions, Is Matter Converted to	34(2),168
Engineering Education for the 21st Century	31(3),166
<i>Engineering Flow and Heat Exchange</i>	34(1),89
Enrollment Cycling in ChE, An Analysis of	35(1),50
<i>Environmental Chemodynamics</i>	31(4),249
Environmental Engineering, A Dimensional Equation from	34(1),94
Environmental Engineering Program, Postgraduate	32(4),250
Environmental Health and Safety Department, Freshman Design Projects in the	32(1),58
Environmentally Sound Manufacturing Principles, Demonstrating: The Green Square Manufacturing Game	33(2),166
Emission Analyzer to Demonstrate Basic Principles, Use of an	34(2),178
Ethanol Fermentation: Laboratory Experiment in Biochemical Engineering	33(1),54
Europe, Courses in Fluid Mechanics and Chemical Reaction Engineering in	34(2),284
Experiment, A Simple Process Dynamics	31(1),64
Experiment, A Transient Fluidized-Bed Heat Transfer; Being Dynamic in the Unit Operations Laboratory ...	31(2),120
Experiment, Automotive Catalytic Reaction Engineering	34(2),240
Experiment, Ultrafiltration of Dairy Products as a ChE Laboratory	32(4),318
Experiment for Mass Transfer, A Simple	32(2),142

Experiment in Applied Optics, An: Determination of the Kinetics of the Oxidation of an Organic Dye	32(3),174
Experiment in Combustion, An	31(4),236
Experiment on Adsorption, An Undergraduate	32(1),76
Experiment, Sequential Batch Processing	33(3),216
Experiments, A Novel Laboratory Course on Advanced ChE	31(4),260
Experiments, Computer Simulation of Tracer Input	33(4),300
Experiments for the Fluid-Mechanics and Heat Transfer Laboratory Class, Two Simple	33(3),226
Experiments on Viscosity of Aqueous Glycerol Solutions	33(3),232
Extraction Experiment, A Supercritical: For the Unit Ops Lab	35(2),96

F

Faculty in Effective Teaching, How to Involve	33(3),244
Feed-Effluent Heat Exchanger/Reactor Dynamic Control Laboratory Experiment, A	34(1),56
First-Year Students, An Introductory ChE Course for	32(1),52
Flashback and Laminar Flames: A Classroom Demonstration	35(3),220
Flowrates, Calculating Minimum Liquid: New Method for Rich-Phase Gas Absorption Columns	34(4),338
<i>Fluid Dynamics, Introduction to Theoretical and Computational</i>	32(1),29
Fluidized-Bed Heat Transfer Experiment, A Transient: Being Dynamic in the Unit Operations Laboratory ...	31(2),120
Fluid Mechanics and Chemical Reaction Engineering in Europe, Courses in	34(2),284
Fluid-Mechanics and Heat-Transfer Laboratory Class, Two Simple Experiments for the	33(3),226
Fluid-Particle Flow, CFD Case Studies in	32(2),108
Fluid-Particle Systems, Particle Dynamics in Fluidation and	34(2),40,128
Fluid-Particle Processes, Teaching	32(2),94
Freshman Design Projects in the Environmental Health and Safety Department	32(1),58

Future of Engineering Education Series

Introduction	34(1),14
Part 1. A Vision for a New Century	34(1),16
Part 2. Teaching Methods that Work	34(1),26
Part 3. Developing Critical Skills	34(2),108
Part 4. Learning How to Teach	34(2),118
Part 5. Assessing Teaching Effectiveness and Educational Scholarship	34(2),198
Part 6. Making Reform Happen	34(2),20

G

Gas Absorption Columns, New Method for Rich-Phase: Calculating Minimum Liquid Flowrates	34(4),338
Gases in Asymmetric Ceramic Membranes, Permeation of	33(1),58
Gaseous Diffusion through Permeable Solids, A Laboratory for	34(2),172
Genomics, and the Chemical Engineer, Bioinformatics, ..	34(4),346
Globalization of ChE Education and Research	35(4),244
Glycerol Solutions, Experiments on Viscosity of Aqueous ..	33(3),232
Graduate Bridging and Continuing Education Using the Internet	35(4),230

Graduate Control Course, Experiences with an Experimental Project in a	33(4),270
Graduate Course in Materials Design, A ChE	33(4),262
Graduate Course in Research Methods	35(4),236
Graduate Education for Particle Science and Technology	32(4),262
Graduate Programs, Ranking	33(1),72
Graduate School, Getting the Most Out of	33(4),258
Graduate Student Symposium, A Multi-University	32(4),266
Graduate Students, A Structured Interview for Selection of	31(4),210
Graphics, How to Lie with Engineering	33(4),304
Green Square Manufacturing Game, The	33(2),166

H

Heat and Mass Transfer with Microwave Drying, Demonstrating Simultaneous	33(1),46
Heat Exchange, Engineering Flow and	34(4),343
Heat of Solids, A Simple Method for Determining the Specific	32(3),190
Heat-Transfer Laboratory Class, Two Simple Experiments for the Fluid-Mechanics and	33(3),226
Heat Pump, Application of a: A Feasibility Study	34(1),68
Heavy Metals in Wastewater by Electrochemical Treatment, Removal of	33(2),172
Higher-Order Thinking in the Unit Operations Laboratory	32(2),146
Honors in the Major Program, The	34(4),356
Human Societies: A Curious Application of Thermodynamics	32(3),230
Humanities, Chemical Engineering and the Other	32(1),14
Hydrodynamic Models, Simulation of Reaction Kinetics Using	35(3),194

I

Ideal Reactors, Animal Guts as	32(1),24
Industrial Experience in a Laboratory Course, Providing	31(2),130
Industrial Pollution Prevention, Process Integration and	31(4),242
Information, Practical Tips for Gathering	32(1),68
Information Technology and ChE Education	34(4),290
Integration of Early Engineering Education, Experiments with	33(3),204
Internationalizing Practical ChE Education: The M.I.T. Practice School in Japan	33(2),162
Internet, Graduate Bridging and Continuing Education Using the	35(4),230
Internship, A Quality-Driven Process Design	31(2),100
Internship a Learning Experience, Make Summer	32(1),48
Interview for Selection of Graduate Students, A Structured	31(4),210
Intranet in ChE Instruction, Using the	31(2),110
Introducing Process Safety into ChE Education and Research	33(3),198
Introducing Students to Basic ChE Concepts: Four Simple Experiments	33(3),190
Introductory ChE Course for First-Year Students, A	32(1),52
Investigative Project for Secondary School Students, A ChE	31(2),138
Ion Exchange Chromatography Laboratory: Experimentation and Numerical Modeling	31(1),26
Isopropyl Alcohol, Acetone Production from	33(3),210

Fall 2001

J

Japan, The M.I.T. Practice School in: Internationalizing Practical ChE Education	33(2),162
Java, Using Object-Oriented Programming Methodologies and	35(3),202
Job Club, The	31(1),44
Joint Chemical/Electrical Engineering Course in Advanced Digital Process Control	33(1),62

K

Kelvin Equation, On the Complete	35(4),274
Kinetics and Reactor Design Courses, Important Concepts in Undergraduate	33(2),138
Kinetics Using Equivalent Hydrodynamic Models, Simulation of Reaction	35(3),194

L

Laboratory, Vapor-Liquid Equilibria in the Undergraduate	34(1),74
Laboratory Class, Two Simple Experiments for the Fluid-Mechanics and Heat-Transfer	33(3),226
Laboratory Course, Getting the Most Out of a	32(3),184
Laboratory Course, Providing Industrial Experience in a	31(2),130
Laboratory Course on Advanced ChE Experiments, A Novel	31(4),260
Laboratory for Gaseous Diffusion through Permeable Solids	34(2),172
Laboratory Incorporating EC 2000 Criteria, An Introductory	34(1),80
Laboratory Experiment, A Feed-Effluent Heat Exchanger/Reactor Dynamic Control	34(1),56
Laboratory Experiment in Biochemical Engineering	33(1),54
Laboratory-Scale Tubular Reactor, Rate Measurement with a	33(3),238
Laplace Transforms in Transient Transport Problems, Simple Uses of	35(4),238
Laplace Transforms, Use of the Residue Theorem to Invert	35(1),22
Learning, Student Motivation, Attitude, and Approach to	35(1),62
Learning in ChE, Computer-Mediated Collaborative	33(3),250

Learning in Industry

Co-Op Student Contribution to Chemical Process Development at Dupont Merck	31(1),68
Cooperative Education: Link Between Industry and Engineers	35(1),58
Introducing Graduate Students to the Industrial Perspective	31(3),188
Experience Factor, The: Internships Through the Eyes of Students and Industry	32(2),152
What is Inside that Black Box, How Does It Work?	32(4),306

Leblanc Soda Process: A Gothic Tale for Freshman Engineers	32(2),132
---	-----------

Letters to the Editor	31(1),25;(3),177; 32(1),13;(2),113; 33(2),141; (3),189; 34(1),65,88)167,(3)245,251,282; 35(2),107; (3),207
-----------------------------	--

Lie with Engineering Graphics, How to	33(4),304
Life Sciences in a New Vision of ChE, Chemistry and	35(4),248

Low-Cost Experiments in Mass Transfer

Part 3. Mass Transfer in a Bubble Column	32(2),138
Part 4. Measuring Axial Dispersion in a Bubble Column	32(3), 198
Part 5. Desorption of Ammonia from a Liquid Jet ..	33(4),328
Part 6. Determination of Vapor Diffusion Coefficient	34(2),158
Part 7. Natural Convection Mass Transfer on a Vertical Cylinder with Sealed Ends	34(4),310
Part 8. Absorption of Carbon Dioxide from a Single Bubble	35(3),198

M

Major Program, The Honors in the	34(4),356
Making Successful Oral Presentations: A Guide	31(1),52
Manufacturing Game, The Green Square	33(2),166
Maple, Solving Differential Equations with	34(4),328
Mass Transfer (see <i>Low-Cost Experiments in...</i>)	
Mass Transfer, A Simple Experiment for	32(2),142
Mass Transfer Across a Porous Membrane, Single-Component	32(4),286
Mass Transfer and Axial Dispersion in a Reciprocating-Plate Liquid Extraction Column: Unit Ops Lab	32(3),202
Mass Transfer Experiment Using Nanofiltration Membranes	34(2),264
Materials Balancing, ASTuTE: Computer-Aided Teaching of	34(2),258
Materials Design, A ChE Graduate Course in	33(4),262
Materials Processing, Combustion Synthesis and	31(4),228
Mathcad, A Case Study of the Use of: Use of Computational Tools in Engineering Education	31(3),180
Mathematical Methods in Chemical Engineering	32(3),189
Mathematical Modelers, Helping Students Become Better	31(4),254
Mathematical Power Tools: Maple, Mathematica, MATLAB, and Excel	32(2),156
MATLAB/Simulink for Data Acquisition, Using	35(4),286
Matter Converted to Energy in Reactions? Is	34(2),168
Maxwell-Stefan Experiment, A	34(1),90
Medical Surveillance and the Undergraduate Thesis	33(1),50
Memoriam: Sami Selim	35(1),45
Microelectronics Processing, A Web-Based Course in the Fundamentals of	34(4),350
Microwave Drying, Demonstrating Simultaneous Heat and Mass Transfer with	33(1),46
Miniaturization into the ChE Curriculum, Incorporating Chemical Process	34(4),316
Modelers, Helping Students Become Better Mathematical	31(4),254
Modeling into the ChE Curriculum, Incorporating Molecular	34(2),162
Modeling to ChE Undergrads, Teaching PDE-Based	34(2),146
Mole and Its Use in ChE, Understanding of the	33(4),332
Molecular Modeling into the ChE Curriculum, Incorporating	34(2),162
Motivation, Attitude, and Approach to Learning, Student	35(1),62
Multimedia Fluid Mechanics	35(2),95

N

Nanofiltration Membrane, Mass Transfer Experiment Using	34(2),264
Network Process Control Laboratory	32(4),314
Non-Adiabatic Container Filling and Emptying	33(1),26
Numerical Computation in Science and Engineering	33(1),11
Numerical Simulation, Introducing Process Control Concepts to Senior Students Using	33(4),310

O

Optics, An Experiment in Applied	32(3),174
Oral and Written Communication Skills, Development of	31(2),116
Oral Presentations, Making Successful: A Guide	31(1),52
Outcomes Assessment: An Unstable Process?	33(2),116
Outcomes Assessment: Its Time has Come	33(2),102
Outcomes Assessment: Opportunity on the Wings of Danger	33(2),106
Outcomes Assessment Methods	32(2),128
Oxygen From Air to Water, Developing the Best Correlation for Estimating the Transfer of	35(2),134

P

Packed-Column Design from a Plate-Column Perspective, Teaching	32(4),302
Particle Dynamics in Fluidization and Fluid-Particle Systems	34(1),40
Particle Science and Technology, Grad Education for	32(4),262
Particle Science and Technology Educational Initiatives	32(2),122
Particle Technology, A Survey Course in	33(4),266
Particle Technology, Industrial Perspective on Teaching	32(2),98
Particle Technology, Undergraduate Teaching in Solids Processing and	32(2),118
Particle Technology Concentration at NJIT	32(2),102
Particle Technology on CD	33(4),282
PDE-Based Modeling to ChE Undergraduates, Teaching	34(2),146
Peer Review in the Undergraduate Laboratory, Using	32(3),194
Peng-Robinson Equation of State: Thermodynamic Properties Involving Derivatives, Using the	35(2),112
Petroleum Design Course in a Petroleum Town, Designing a	33(4),322
Phase Equilibria: Measurement and Computation	32(4),277
Phase Partitioning and Transport of Environmental Contaminants, Experiments Illustrating	32(1),40
Phenomena-Oriented Environment for Teaching Process Modeling, A	33(4),292
Pitzer-Lee-Kesler-Teja (PLKT) Strategy, The	35(1),68
Pneumatic Transport and Solid Processing Studies	32(2),114
Pollutants and Colloids, Column Transport Experiments for Dissolved	35(3),222
Pollution Prevention, Process Integration and Industrial	31(4),242
Pollution Prevention Course that Helps Meet EC 2000 Objectives	34(2),272
Pollution Prevention Through Process Integration, Educational Tools for	32(4),246
Polymerization Reaction Engineering, Innovative Ways to Teach	32(1),62

Porous Membrane, Single-Component Mass Transfer Across a	32(4),286
Portfolios to Assess a ChE Program, Using	33(2),110
Postgraduate Environmental Engineering Program	32(4),250
Practice School in Japan, The M.I.T.: Internationalizing Practical ChE Education	33(2),162
Principles for Teaching, Guiding	34(4),344
Problem-Solving Skills, Assessing: Part 1. The Context for Assessment	35(4),300
Problem-Solving Skills in Engineering Design, Teaching Creative	33(2),150
Process Analysis: An Electronic Version	33(1),40
Process Control, A Joint Chemical/Electrical Engineering Course in Advanced Digital	33(1),62
Process Control, A Motivational Introduction to	31(1),58
Process Control, Experimental Projects in Teaching	32(4),254
Process Control, Undergrad: Clarification of Concepts	35(2),148
Process Control Concepts to Senior Students Using Numerical Simulation, Introducing	33(4),310
Process Control Course, Case Study Projects in an Undergraduate	32(3),214
Process Control Development, An Integrated Real-Time Computing Environment for Advanced	35(3),172
Process Control Education, A Training Simulator for Computer-Aided	34(2),252
Process Control Laboratory, Network	32(4),314
Process Design, An Integrated Course and Design Project in Chemical	31(2),94
Process Design Elements in the Unit Ops Lab, Introducing	33(1),66
Process Design Internship, A Quality-Driven	31(2),100
Process Dynamics Experiment, A Simple	31(1),64
Process Flexibility, Introduction to: Recycle Loop with Reactor	32(3),224
Process Integration and Industrial Pollution Prevention	31(4),242
Process Laboratory Course, Electrochemical Engineering in the	35(1),74
Process Modeling, A Phenomena-Oriented Environment for Teaching	33(4),292
Process Safety in the Curriculum: Explosion Prevention	32(4),270
Process Safety into ChE Education and Research, Integrating	33(3),198
Process Safety Principles, Experiments to Demonstrate Chemical	35(1),36
Process Simulation, A Course in: Using Object-Oriented Programming Methodologies and Java	35(3),202
Process Simulators, Anomalous Results from	31(1),46
Product Design, Chemical	35(4),280
Professional Development, A Seminar Course on	32(3),234
Professional Engineering, Effective Communication for	34(2),234
Psychological Theories in Engineering Education, Some	35(3),212
Publication Rate Profile on Citation Statistics, The Effect of	35(1),32

Q

Quantifying the "Curve"	32(3),238
Questioning Work for You, How to Make	31(2),134
Quizzes, Anonymous: An Effective Feedback Mechanism	31(1),56

Fall 2001

R

Random Thoughts

All in a Day's Work	34(1),66
Alumni Speak, The	34(2),238
Brief History of <i>Elementary Principles of Chemical Processes</i> , A	35(3),180
FAQS	33(1),32
FAQS II	33(4),276
FAQS III: Groupwork in Distance Learning	35(2),102
FAQS IV: Dealing with Student Background Deficiencies and Low Student Motivation	35(4),266
Impostors Everywhere	31(4),220
It Takes One to Know One	31(1),32
Meet Your Students: 7. Dave, Martha, and Roberto	31(2),106
Memo: To Students Who are Disappointed with Their Last Text Grade	33(2),136
New Faculty Member, The	32(3),206
Night Someone Slipped the Truth Serum in the Punch Bowl, The	32(4),278
Objectively Speaking	31(3),178
Scholarship of Teaching, The	34(2),144
Ships Passing in the Night	32(1),46
Speaking of Education II	33(3),196
Technology a Friend or Foe of Learning? Is	34(4),326
Truth in Advertising	35(1),25

Ranking Grad Programs: Alternative Measures of Quality	33(1),72
Rapid Determination of Vapor-Liquid Equilibria	31(1),34
Rate Measurement with a Lab-Scale Tubular Reactor	33(3),238
Reaction Kinetics Using Equivalent Hydrodynamic Models, Simulation of	35(3),194
Reactor, Rate Measurement with a Lab-Scale Tubular	33(3),238
Reactor Design Courses, Important Concepts in Undergraduate Kinetics and	33(2),138
Reactors, Animal Guts as Ideal	32(1),24
Real-Time Computing Environment for Advanced Process Control Development, An Integrated	35(3),172
Recycle Loop with Reactor: Introduction to Process Flexibility	32(3),224
Regulatory Compliance, Teaching Biotech Manufacturing Facility Design and	35(3),188
Refrigeration Cycle, Analysis and Simulation of Solar-Powered	35(1),26
Relative Volatilities Cannot be Assumed to be Constant, What to do if: Differential-Algebraic Equations Systems	31(2),86
Research, Integrating Process Safety into ChE Education and	33(3),198
Research, On the Nature and Conduct of Technical	31(4),222
Research Methods, A Graduate Course in	35(4),236

S

Safety in the Curriculum, Process: Explosion Prevention	32(4),270
Safety into a Unit Ops Laboratory Course, Incorporating	32(3),178
Safety into ChE Education and Research, Integrating	33(3),198
Safety Principles, Experiments to Demonstrate Chemical Process	35(1),36
Secondary School Students, Investigative Project for	31(2),138
Selectivity and All That, Yield,	34(4),320
Semiconductor Simulation Tools, Instruction via	

Web-Based	32(4),242
Seminar Course on Professional Development, A	32(3),234
Senior-Level Capstone ChE Course, Evaluation of Computer-Simulation Experiments in a	33(1),34
<i>Separation Process Technology</i>	34(1),55
Separations: Synergism Between Research and Teaching	31(4), 202
Separations, Teaching: Why, What, When, and How?	35(3),168
Sequential Batch Processing Experiment for First-Year ChE Students	33(3),216
Stirred-Tank Heater, Dynamics of a	35(1),46
Software Package for Capital Cost Estimation, A	33(3),254
Solar-Powered Refrigeration Cycle, Analysis and Simulation of a	35(1),26
Solid Processing Studies, Pneumatic Transport and	32(2),114
Solids, A Simple Method for Determining the Specific Heat of	32(3),190
Solids Processing and Particle Technology, Undergraduate Teaching	32(2),118
Solving Differential Equations with Maple	34(4),328
Spiral Curriculum for Introductory Courses in ChE, A Project-Based: Part 1. Curriculum Design	34(2),222
Spiral Curriculum for Introductory Courses in ChE, A Project Based: Part 2. Implementation	34(4),296
Spiral Curriculum for Introductory Courses in ChE, A Project-Based: Part 3. Evaluation	35(2),140
Stability Analysis Using Bode Plots, A Note on	35(3),208
Statistics, Some Pitfalls with Citation	34(1),62
Statistics and Probability, Use of Spreadsheets in Intro ..	31(3),194
Statistics to ChE Students, Teaching	31(3),168
Students to Basic ChE Concepts, Introducing	33(3),190
Split-Range Control, Teaching Antiwindup, Bumpless Transfer, and	32(3),220
Spreading the Word (About Chemical Engineering)	34(2),228
Spreadsheets, Introductory Statistics and Probability	31(3),194
Spreadsheets for Thermodynamics Instruction	31(1),18
Survey Course in Particle Technology, A	33(4),266
Symposium, A Multi-University Graduate Student	32(4),266
Symposium at Carnegie Mellon, The Annual ChE	34(1),86
System Selection on Compressible Flow Analysis, Importance of	32(4),308

T

Teaching, Efficient, Effective	35(2),92
Teaching, Guiding Principles for	34(4),344
Teaching, Helpful Hints for Effective	32(1),36
Teaching, How to Involve Faculty in Effective	33(3),244
Teaching and Learning, Three Trends in	32(4),296
Teaching Biotech Manufacturing Facility Design and Regulatory Compliance	35(3),188
Teaching Separations: Why, What, When, and How?	35(3),168
Technical Understanding, Toward: Part 1. Brain Structure and Function	31(3),152
Technical Understanding, Toward: Part 2. Elementary Levels	31(4),214
Technical Understanding, Toward: Part 3. Advanced Levels	32(1),30
Technical Understanding, Toward: Part 4. A General Hierarchy Based on the Evolution of Cognition	34(1),48
Technical Understanding, Toward: Part 5. General Hierarchy Applied to Engineering Education	34(2),138

Technical Research, On the Nature and Conduct of	31(4),222
Temperature Profiles for Visualizing the Concentration- Front Movement, Using In-Bed	35(2),122
Thermodynamics, A Curious Application of: Human Societies	32(3),230
<i>Thermodynamics, Chemical Engineering</i>	32(3),223
Thermodynamics Instruction, Spreadsheets for	31(1),18
Thermodynamics Problem with Conflicting Solutions ..	34(4),366
Tracer Input Experiments, Computer Simulation of	33(4),300
Transport Phenomena, Who Was Who in	35(4),256
Transport Problems When There is an Initial Steady State, Linear Unsteady	32(4),260
Thermodynamic Properties Involving Derivatives: Using the Peng-Robinson Equation of State	35(2),112
Tubular Reactor, Rate Measurement with a Lab-Scale ...	33(3),238
Turbulent Flow, A New Approach to Teaching	33(2),142

U

Undergrad Classes, The Effective Use of Logbooks in	33(3),222
Undergraduate Laboratory, Using Peer Review in the	32(3),194
Undergraduate Laboratory, Vapor-Liquid Equilibria in the	34(1),74
Undergraduate Thesis, Medical Surveillance and the	33(1),50
Unit Operations Lab: Mass Transfer and Axial Dispersion in a Reciprocating-Plate Liquid Extraction Column	32(3),202
Unit Operations Laboratory, A Supercritical Extraction Experiment for the	35(2),96
Unit Operations Laboratory, Computer Modeling in the ...	35(2),116
Unit Operations Laboratory, Being Dynamic in the: A Transient Fluidized-Bed Heat Transfer Experiment ..	31(2),120
Unit Operations Lab, Higher-Order Thinking in the	32(2),146
Unit Operations Lab, Introducing Process-Design Elements in the	33(1),66
Unit Operations Lab Course, Incorporating Safety into ...	32(3),178
Universities...Why?	33(4),288
Unsteady Transport Problems When There is an Initial Steady State, Linear	32(4),260
Using the Intranet in ChE Instruction	31(2),110

V

Vapor Diffusion Coefficient, Determination of	34(2),158
Vapor-Liquid Equilibria in the Undergraduate Laboratory	34(1),74
Vapor-Liquid Equilibria, Rapid Determination of	31(1),34
Viscosity of Aqueous Glycerol Solutions, Experiments on	33(3),232

W

Wastewater by Electrochemical Treatment, Removal of Heavy Metals in	33(2),172
Web-Based Course in the Fundamentals of Microelectronics Processing, A	34(4),350
Web-Based Semiconductor Simulation Tools, Instruction via	32(4),242
What Do You Want From Me?	31(1),60
Written Communication Skills, Development of Oral and	31(2),116

Y

Yeast Production, Choosing and Optimum Feedstock for ..	31(1),22
Yield, Selectivity, and All That	34(4),320

21st Century, Engineering Education for the	31(3),166
---	-----------

Author Index

A

- Abraham, Martin A. 34(2),272
 Abu-Khalaf, Aziz M. 31(4),250: 32(3),184:
 34(2),246
 Adams, Priscilla J. 34(1),8
 Agrawal, Deepak 33(3),254
 Ahmed, Vian S. 34(2),258
 Akgerman, A. 33(3),198
 Alabart, Joan R. 33(3),244
 Ali, Emad M. 34(2),246
 Allen, Maurice 32(2),156
 Allen, R.M. 33(2),150
 Alpay, E. 35(3),212
 Aluko, Mobolaji E. 33(4),310
 Alves, Manuel A. 33(3),226: 34(2),245
 Amyotte, Paul R. 31(1),60
 Anderson, Paul K. 34(2),168
 Anderson, Thomas F. 31(1),2
 Angus, John C. 33(1),72: 34(2),282
 Anklam, Mark R. 31(1),26
 Arce, Pedro E. 34(4),356
 Aris, Rutherford 35(3),158
 Athony, R.G. 33(3),198
 Ayers, Jerry B. 34(4),304

B

- Badino, Jr., Alberto Colli 33(1),54
 Baird, Malcolm H.J. 31(1),44: 32(2),138:198
 33(4),328: 34(1),65:158: 35(3),198
 Baldwin, Robert M. 32(2),146:
 34(2),162:(4)310
 35(1),45
 Barat, R. 32(3),174
 Barolo, Massimiliano 32(4),280
 Barsotti, D.A. 35(1),2
 Beaudoin, Stephen P. 35(4),236
 Beer, Eduard 34(1),68
 Bell, John T. 31(1),56
 Bellamy, Lynn 33(2),122
 Bellner, Steven 31(2),94
 Beltrán, Maribel 33(3),189
 Bendrich, Guido 32(1),84: 32(3),208
 Bequette, B. Wayne 32(3),214
 Bhethanabotla, Venkat R. 31(1),34
 Biegler, Lorenz 33(2),90
 Biernacki, Joseph J. 34(4),304
 Bieszczad, Jerry 33(4),292
 Bird, R. Byron 35(4),256
 Birol, Gülnur 35(2),128
 Birol, İnanç 35(2),128
 Block, David E. 35(3),188
 Bodner, George M. 33(1),34
 Bonete, Pedro 33(2),172:(4),300
 Boosak, D. 34(2),240
 Braatz, Richard D. 32(3),220
 Bradburn, Tanya 35(1),58
 Bradley, Melissa J. 34(2),234

- Brand, Jennifer I. 33(3),222
 Brauner, Neima . 31(2),86: 35(1),32:(4)268
 Brent, Rebecca . 31(1),32:(3),178: 34(1),66
 Briedis, Daina 33(2),128: 35(4),230
 Brisk, Michael 32(4),314
 Brown, Wayne A. 35(2),134
 Browning, Samuel 34(4),346
 Bunge, Annette L. 31(4),254
 Buonopane, Ralph A. 31(3),166
 Burrows, Veronica A. 35(4),236
 Buttrey, D. 34(1),74

C

- Campbell, Bill 32(2),152
 Campbell, Scott W. 31(1),34: 32(4),277
 Carlson, Eric D. 32(1),24
 Carta, Giorgio 31(4),242
 Case, Jennifer M. 33(4),332
 Caskey, Jerry 33(2),96
 Chaplin, Robin A. 31(2),130
 Chase, Andrew 31(2),80
 Chase, George G. 32(2),118
 Chen, Wei-Yin 33(3),238
 Chung, Jihchin 31(1),68
 Chung, Serena H. 32(3),220
 Churchill, Stuart W. 31(3),158: 33(2),14
 Çinar, Ali 35(2),128
 Clark, William M. 34(2),222:(4),296:
 35(2),140
 Cleotelis, II, Gregory A. 31(4),242
 Collins, David 34(4),346
 Comparini, Lisa 35(2),140
 Conesa, J.A. 33(4),300: 34(2),284
 Conlee, Thomas D. 32(4),318
 Cook, Michael 32(2),132
 Cooper, Doug 34(2),252
 Coronas, Joaquín 33(1),58
 Counce, R.M. 31(2),100
 Crowe, Cameron M. 35(4),300
 Crowl, Dan 34(1),88
 Cruz, Paulo 34(1),90: 35(2),122
 Cussler, E.L. 33(1),12
 Cutlip, Michael B. 35(4),268

D

- Dahm, Kevin D. 33(4),292
 Dang, Sanjit Singh 32(4),242: 34(4),350
 Daniel, Stephen R. 34(2),162
 Darby, R. 33(3),198
 Daubert, Thomas E. 32(3),223
 Dave, Rajesh N. 32(2),102
 Davies, Reg 32(2),98
 Davis, E. James 32(3),189
 Davis, Robert H. 32(1),36:(2),94
 de Nevers, Noel 33(1),26: 35(3),207
 DeLancey, George B. 33(1),40

- Delgado, P. 32(3),174
 Deshpande, Prasanna A. 35(3),222
 DiBiasio, David 33(2),116:
 34(2),222:(4),296
 35(2),140
 Dickson, James M. 35(4),300
 Dixon, Anthony G. 34(2),222:(4),296:
 35(2),140
 Donnelly, Anne E. 32(2),122:(4),262
 Dorathy, Brian D. 35(1),36
 Dorland, Dianne 31(3),168
 Dougherty, Danielle 34(2),252
 Doyle, III, Francis J. 33(4),270
 Dranoff, Joshua S. 34(2),283:(4),362
 Dubé, Marc A. 31(4),210
 Duarte, Horacio A. 31(1),46
 Dudek, David A. 33(2),154
 Dufaud, Eric 34(2),172

E

- Eakman, James 31(2),94
 Earl, W.B. 33(2),150
 Edgar, Thomas F. 31(1),12: 34(4),290:
 35(3),208
 Edison, Thomas 35(3),208
 Edwards, David W. 34(2),258
 Edwards, Louis L. 33(1),62
 Edwards, Robert V. 33(1),72
 Edwards, S.V. 31(2),100
 El-Halwagi, Mahmoud M. 32(4),246
 Elliott, Janet A.W. 35(4),274
 Elmore, Bill B. 34(4),316
 Ekechukwu, Kenneth N. 33(4),310
 Ely, James F. 32(2),146: 34(2),162: 35(1),45
 Epstein, Norman 32(1),13
 Erjavec, John J. 34(2),268
 Estévez, L. Antonio 33(1),66
 Eubank, P.T. 33(3),198
 Evans, G.M. 32(4),308
 Expósito, Eduardo 33(2),172:(4),300

F

- Falconer, John L. 33(2),138
 Fan, Liang-Shih 32(2),94: 34(1),40:
 35(3),187
 Farooq, Shamsuzzaman 32(1),76
 Farrell, Stephanie H. 35(4),296
 Favre, Eric 34(2),172
 Feeley, Joseph J. 33(1),62
 Felder, Richard M. 31(1),32:(2),106:
 (3),178:(4),220:
 32(1),46:(2),126:(3)206:(4),278
 33(1),32:(2),136:(3),184,196:(4),276
 34(1),14,16,26,66:(2)108,118,144:
 (3)198,208,238:(4),326:
 35(1),25:(2)102:(3),157:(4)266

Fenton, James M. 33(2),166
 Fenton, Suzanne S. 33(2),166
 Finlayson, Bruce A. 31(1),26
 Finol, Carlos 33(1),58
 Fischer, Ian S. 32(2),103
 Flach, Lawrance 33(2),158
 Fogler, H. Scott 35(4),290
 Forbes, J. Fraser 34(2),102
 Fordon, Keith B. 31(4),236
 Forrester, S.E. 32(4),308
 Foss, Alan S. 33(4),292
 Fraser, Duncan M. 33(3),190;(4)332
 Fricke, A. Christian 33(1),84
 Furzer, Ian A. 33(1),50

G

Gabbard, Ronald G. 35(2),96
 Gallo-O'Toole, Sara 31(1),44
 Ganter, Susan L. 35(2),152
 García-García, Vicente .. 33(2),172;(4),300
 Garred, L.J. 32(2),138; 34(2),158
 Gast, Alice P. 32(1),24
 Gatzke, Edward P. 33(4), 270
 Geurts, Kevin R. 33(4),292
 Gilmour, I.A. 33(2),150
 Giralt, Francesc 33(3),244
 Godwalla, Shanaya 32(4),306
 Gomes, Vincent G. 33(3),204
 Gómez, Amparo 33(3),189
 Gonzáles-García, José ... 33(2),172;(4),300
 Goodeve, Peter J. 33(4),292
 Gooding, Charles H. ... 32(4),318; 33(3),178
 Graham, Michael D. ... 32(1),29; 35(2),152
 Grant, Ron 33(3),178
 Gray, Murray R. 31(1),22
 Grau, Francesc X. 33(3),244
 Grimberg, Stefan J. 32(1),40
 Grossmann, Ignacio 33(2),90; 34(1),62
 Guedes de Carvalho, J.R. 33(3),226;
 34(2),245
 Gumpel, Damián 32(2),152
 Guzmán, Roberto 31(2),124

H

Haile, J.M. 31(3),152;(4),214; 32(1),30
 33(4),288; 34(1),48,128
 Hahn, Juergen 35(3),208
 Haj-Hariri, Hossein 35(2),95
 Hall, K.R. 33(3),198
 Hamielec, Archie E. 32(1),62
 Harb, J.N. 31(3),180; 32(1),56
 Hariri, Hossein 33(2),92
 Hasan, Rashid A. 34(2),268
 Hatton, Alan 33(2),162
 Hatzimanikatis, Vassily 34(4),346
 Helgardt, Klaus 32(3),190; 34(2),228
 Henda, Redhouane 35(3),194
 Henriquez, V. 32(2),142
 Herrero, Joan 33(3),244
 Hesketh, Robert P. 33(4),316; 34(2),240

..... 35(4),296
 Hestekin, Jamie A. 32(4),266
 Hills, John H. 33(3),216
 Hirt, Douglas E. 32(4),290
 Hokka, Carlos Osamu 33(1),54
 Hollein, Helen C. 32(4),318
 Holmes, J.M. 31(2),100
 Howard, G. Michael 31(1),2
 Hunkeler, D. 35(2),91
 Huvar, Gary S. 32(1),48; 33(2),138

I

Inglés, Marina 33(2),172;(4),300
 Iniesta, Jesús 33(2),172;(4),300
 Iveson, Simon M. 34(4),338

J

Jacob, Karl 32(2),118
 Jolls, Kenneth R. 32(2),113
 Jones, A. 31(3),180
 Jones, Frank J. 34(4),316
 Jones, W.E. 31(3),172; 32(3),224; 33(3),216

K

Kandas, Angelo W. 33(2),162
 Karim, Nazmul 31(3),146
 Kasko, A. 32(3),174
 Kauffman, Kenneth J. 31(2),134
 Keffer, David J. 35(2),116
 King, Julia A. 32(3),178
 Kline, L. 34(2),240
 Klinzing, George 32(2),114
 Knox, Dana E. 35(2),96
 Ko, Edmond I. 32(3),234
 Koenig, Andree 31(1),22
 Kolaczyk, Anne 32(1),2
 Konak, A.R. 31(1),40
 Koros, William J. 35(2),86
 Koulouris, Alexandros 33(4),292
 Kourti, Theodora 35(4),300
 Krantz, William B. 34(2),216
 Kresta, Suzanne M. 31(1),22
 Kwon, Kyung 33(3),232

L

Lacks, Daniel J. 32(4),302
 Lamb, Fiona M. 34(2),258
 Langrish, Timothy A.G. 33(3),204
 Lawrence, Shawn 34(4),346
 Lee, Carolyn W.T. 34(4),344
 Lee, James H. van der 35(3),172
 Lee, Kelvin H. 34(4),346
 Lennox, Barry 32(4),314
 LeVan, Douglas 31(4),242
 Lira, Carl T. 35(4),230
 Lísal, Martin 35(1),68
 Lodge, Keith B. 34(1),94; 34(2),178
 Lombardo, Stephen J. 34(2),154
 Loney, N.W. 35(1),22

Ludlow, Douglas K. 31(2),116
 Luke, Jonathan 32(2),102
 Luke, June 32(3),202
 Lusvardi, V. 34(1),74
 Luyben, William L. 34(1),56; 35(3),182

M

MacGregor, John F. 31(1),44
 Mackenzie, J.G. 33(2),150
 Macías-Machin, A. 32(2),142
 Mackenzie, Judith G. 32(2),156
 Maclean, W. Dan 32(1),72
 Magalhães, Fernão D. 35(2),122
 Mahoney, Donald P. 34(2),278
 Mannan, M.S. 33(3),198
 Marcilla, Antonio 33(3),189
 Marrero, T.R. 31(4),249; 33(1),39
 Martín-Gullón, Ignacio 34(2),284
 Matijasević, Ljubica 34(1),68
 Matthes, Raymond A. 34(4),350
 Meadows, Edward S. 33(4),270
 Medir, Magda 33(3),244
 Mendes, Adélio 34(1),90; 35(2),122
 McCallum, Christine L. 33(1),66
 McCormick, Alon V. 35(3),158
 McNeill, Barry 33(2),122
 Mich, Jennifer L. 35(1),36
 Miller, Ronald L. 31(4),254;
 32(2),146; 33(2),110
 Missen, Ronald W. 34(4),320;
 35(1),68;(2),109
 Mitchell, Brian S. 31(3),194; 33(4),262
 Mirarefi, A.A. 35(4),244
 Mohammad, A. Wahab 34(2),264
 Montesinos, Rosa Ma. 31(2),124
 Montiel, Vicente 33(2),172;(4),300
 Mooers, Jamisue A. 35(1),36
 Müller, Erich A. 32(3),230; 34(4),366;
 35(2),110
 Munson-McGee, Stuart H. 34(1),80
 Murhammer, David W. 35(1),36
 Myers, Kevin J. 31(2),120;(2),142; 33(1),46

N

Nabours, Nick 31(2),94
 Nappi, J. 32(3),174
 Natarajan, Venkatesh 32(3),214
 Natori, Yukikazu 33(2),162
 Nelson, Jr., Ralph D. 32(2),98
 Neoh, K.G. 32(4),250; 35(4),244
 Newell, Heidi L. 34(2),268
 Newell, James A. 31(2),116; 32(3),194;
 34(2),268; 35(2),104;(4),296
 Nirdosh, I. 31(1),52; 32(2),138; 198;
 33(4),328
 34(2),158;(4),310; 35(3),198
 Noriega, Juan A. 31(2),124

O

O'Connell, John P. 31(4),222

O'Connor, Andrea J. 33(2),162
 Olds, Barbara M. 32(2),146; 33(2),110
 Olsen, Donald G. 35(3),172
 Oreovicz, Frank S. 34(2),98
 Ottino, J.M. 34(4),362
 Owens, Thomas C. 34(2),268

P

Palanki, Srinivas 31(1),64
 Palazogul, A. 35(1),46
 Pallerla, Sammaiah 33(3),232
 Papadopoulos, Kyriakos D. 32(4),260;
 35(4),238
 Penlidis, Alexander 32(1),62
 Perilloux, C.J. 31(2),100
 Peterson, James N. 33(1),11
 Pfeffer, Robert 32(2),102
 Pinto, A.M. 34(2),245
 Pinto, M.F.R. 33(3),226
 Podmore, C.A. 31(3),146
 Power, Timothy D. 34(1),86
 Powers, Susan E. 32(1),40
 Prausnitz, J.M. 32(1),14
 Prasad, Vinay 32(3),214
 Pratt, Ronald M. 33(4),278; 35(2),112
 Prausnitz, Mark R. 32(1),20; 34(2),234
 Price, Jesse W. 32(4),254
 Price, John M. 32(1),58
 Priore, Brian 31(2),120
 Proctor, Stan 33(2),104
 Prud'homme, Robert K. 31(1),26
 Pugsley, Todd S. 32(3),208

R

Rajagopalan, Raj 32(2),122; 33(4),258
 Ranade, Sidas 32(1),68
 Rao, N.V. Rama 34(1),65
 Rao, Ramesh R. 32(3),214
 Ravi, R. 35(2),148
 Reimer, R.A. 31(2),100
 Rhinehart, R. Russell ... 31(3),188; 34(1),2;
 35(1),50
 Rhodes, Martin J. 33(4),282
 Ricker, Lawrence 32(3),202; 35(4),286
 Riggs, James B. 31(3),188
 Rockstraw, David A. 31(2),94
 Rodríguez, J.M. 32(2),142
 Rogers, Gloria 33(2),106
 Romagnoli, J.A. 35(1),46
 Rosato, Anthony D. 32(2),102
 Rosner, Daniel E. 31(4),228; 32(1),82
 Rothberg, Steve J. 34(2),258
 Rowley, R.L. 31(3),180
 Roy, Sanjeev 33(3),232
 Rugarcia, Armando 34(1),16,26;
 (2)108,118; (3)198,208
 Ruiz, Arturo 31(2),124
 Ruthven, Douglas M. ... 31(2),80; 32(2),113;
 34(2),167
 Ryan, Jr., James E. 31(4),242

S

Sadeq, Jafar 31(1),46
 Sampath, Vishak 31(1),64
 Sandler, Stanley I. 31(1),18
 Sarkari, Marazban 32(4),266
 Sauer, Sharon G. 34(4),356
 Schruben, Dale L. 32(2),113
 Schultz, Brian D. 33(1),72
 Seagrave, Dick 33(2),104
 Sedahmed, G.H. 34(4),310
 Senkan, Selim M. 31(4),236
 Serth, Robert W. 31(1),46
 Schott, Kevin D. 32(3),214
 Shacham, Mordechai 31(2),86;
 35(1),32;(4)268
 Shaeiwitz, Joseph A. 32(2),128;
 33(2),102;(3),210; 35(4),280
 Shallcross, David 35(1),8
 Shama, Gilbert 32(3),190; 34(2),228
 Shallcross, David C. 31(2),138
 Shanley, Edward S. 35(3),220
 Sheardown, Heather 35(4),300
 Shemilt, Leslie M. 31(1),44
 Sheppard, Charles M. 32(4),270
 Shinnar, Reuel 35(3),162
 Shonnard, David R. 35(3),222
 Sinclair, Jennifer L. ... 32(2),108; 33(4),266
 Siurana, Amparo Gómez 34(2),251
 Skliar, Mikhail 32(4),254
 Slater, C. Stewart 32(4),318; 33(4),316
 35(4),296
 Sloan, E. Dendy 35(1),45
 Smith, William R. 34(4),320;
 35(1),68;(2),108
 Soares, João B.P. 32(1),62
 Solen, Kenneth A. 32(1),52
 Sommerfeld, Jude T. ... 32(3),238; 35(1),26
 Spicer, Thomas O. 35(2),109
 Spriggs, H. Dennis 31(4),242; 32(4),246
 Stadtherr, Mark A. 32(4),268
 Stanforth, R.R. 32(4),250
 Steidle, Cheri C. 33(1),46
 Stephanopoulos, George .. 33(2),90;(3),292
 Sternberg, P.K. 31(2),116; 34(2),268
 Stice, James E. 34(1),16,26;(2)108,118
 (3)198,208
 Subramanian, Venkat R. 34(4),328
 Summers, Melissa A. 32(4),266
 Sureshkumar, G.K. 35(1),80
 Svrcek, W.Y. 33(4),322; 34(2),278;
 35(3),172

T

Talbot, Jan B. 35(1),74
 Tan, R.B.H. 35(4),244
 Tardos, Gabriel I. 34(1),89
 Taveira, Pedro 34(1),90
 Taylor, David G. 33(3),250; 35(3),202
 Teja, Aryn S. 32(2),88
 Tejeda, Armando 31(2),124

Takoudis, Christos G. 32(4),242; 34(4),350
 Tardos, Gabriel I. 34(4),343
 Thompson, Karsten E. 34(2),146
 Tian, Kong S. 32(2),113
 Tien, C. 32(4),250
 Ting, Y.P. 32(4),250
 Toghiani, Rebecca K. 32(2),82
 Turton, Richard 33(3),210; 35(4),280
 Tyler, Christopher A. 32(4),254

V

Vadigepalli,Rajanikanth 33(4),270
 Vanderlick, Kyle 31(1),8
 Varde, Neelesh 35(4),290
 Varma, Arvind 35(1),14
 Vasudevan, P.T. 33(3),254
 Venerus, David C. 35(2),110
 Vesilind, P. Aarne 33(4),304
 Vincentm, Louis Marie 34(2),172
 Vincitore, Antonio M. 31(4),236
 Vivaldo-Lima, Eduardo 35(1),62

W

Wankat, Phillip C. 31(4), 202; 32(1),13;
 34(1),55;(2),98; 35(2),92;(3),168
 Wanke, Sieghard E. 34(2),102
 Warren, Matthew M. 35(1),36
 Way, J. Douglas 34(2),162
 Weiss, Alvin H. 34(2),186
 Westmoreland, Phillip R. 35(4),248
 Whitacre, Shawn 31(2),120
 Whitaker, Stephen 33(1),18; 35(1),46
 White, Ralph E. 34(4),328
 White, Scott R. 33(1),34
 Whitmyre, G. 34(1),74
 Wilding, W.V. 31(3),180
 Willey, Ronald J. 32(1),58; 33(3),216;
 35(3),220
 Wilson, J.A. 31(3),172; 32(3),224;
 33(3),216
 Woo, Wilbur W. 31(1),58
 Wood, Philip E. 31(1),44; 35(4),300
 Woods, Donald R. 31(1),44; 32(4),296;
 34(1),16,26;(2),108,118;
 35(4),300
 Worden, R. Mark 35(4),230
 Wrenn, S. 34(1),74

Y

Yarranton, H.W. 33(4),322
 Yeomans, Haydeé 31(2),124
 Yin, K. Karen 31(3),168
 Young, Brent R. 34(2),278; 35(3),172

Z

Zaki, M.M. 34(4),310
 Ziemer, Katherine S. 32(4),266
 Zinatelli, Marna 31(4),210
 Zuba, Leonard P. 32(4),266
 Zukoski, C.F. 35(4),244